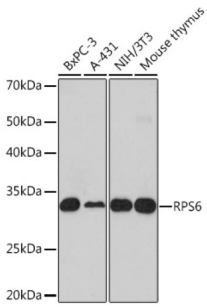
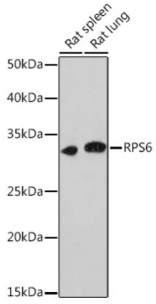
# Ribosomal Protein S6 (RPS6) Antibody

Catalogue No.:abx004661




Western blot analysis of extracts of various cell lines using RPS6 Antibody (1/1000 dilution).

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RPS6 Antibody is a Rabbit Monoclonal antibody against RPS6. Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. This gene encodes a cytoplasmic ribosomal protein that is a component of the 40S subunit. The protein belongs to the S6E family of ribosomal proteins. It is the major substrate of protein kinases in the ribosome, with subsets of five C-terminal serine residues phosphorylated by different protein kinases. Phosphorylation is induced by a wide range of stimuli, including growth factors, tumor-promoting agents, and mitogens. Dephosphorylation occurs at growth arrest. The protein may contribute to the control of cell growth and proliferation through the selective translation of particular classes of mRNA. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome.



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| **Target:** | Ribosomal Protein S6 (RPS6) |
| **Clonality:** | Polyclonal |
| **Reactivity:** | Human, Mouse, Rat |
| **Tested Applications:** | WB |
| **Host:** | Rabbit |
| **Recommended dilutions:** | WB: 1/500 - 1/1000. Optimal dilutions/concentrations should be determined by the end user. |
| **Conjugation:** | Unconjugated |
| **Immunogen:** | A synthetic peptide corresponding to human RPS6 |


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| **Isotype:** | IgG |
| **Form:** | Liquid |
| **Purification:** | Purified by affinity chromatography. |
| **Storage:** | Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles. |
| **UniProt Primary AC:** | P62753 (UniProt, ExPASy) |
| **Gene Symbol:** | RPS6 |
| **GeneID:** | 6194 |
| **OMIM:** | 180460 |
| **NCBI Accession:** | NP_001001.2 |
| **HGNC:** | 10429 |
| **KEGG:** | hsa:6194 |
| **Ensembl:** | ENSG00000137154 |
| **String:** | 9606.ENSP00000369757 |
| **Molecular Weight:** | Calculated MW: 28 kDa<br>Observed MW: 28 kDa |
| **Buffer:** | PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol. |
| **Concentration:** | 1 mg/ml |
| **Note:** | THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION. |




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